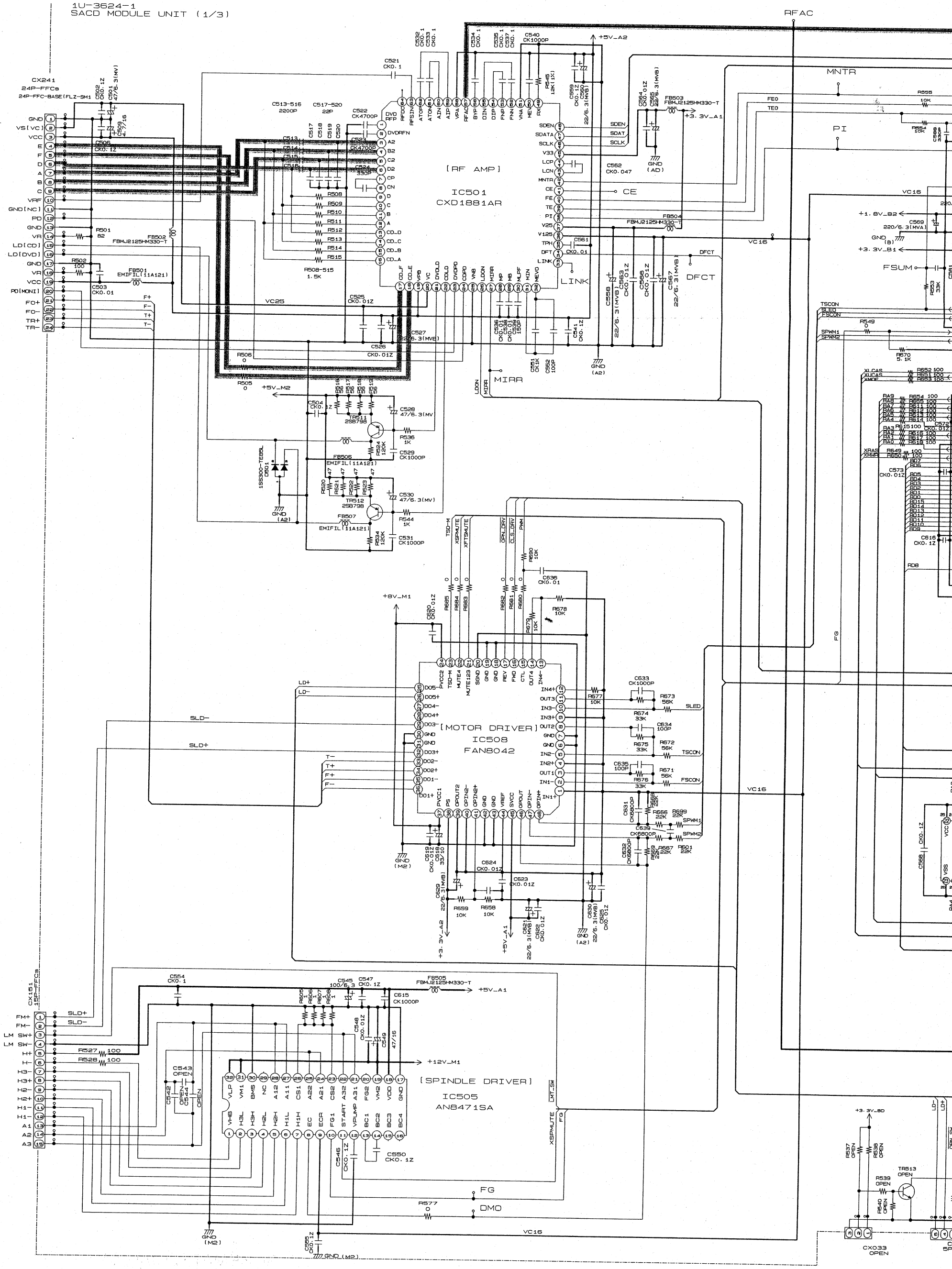
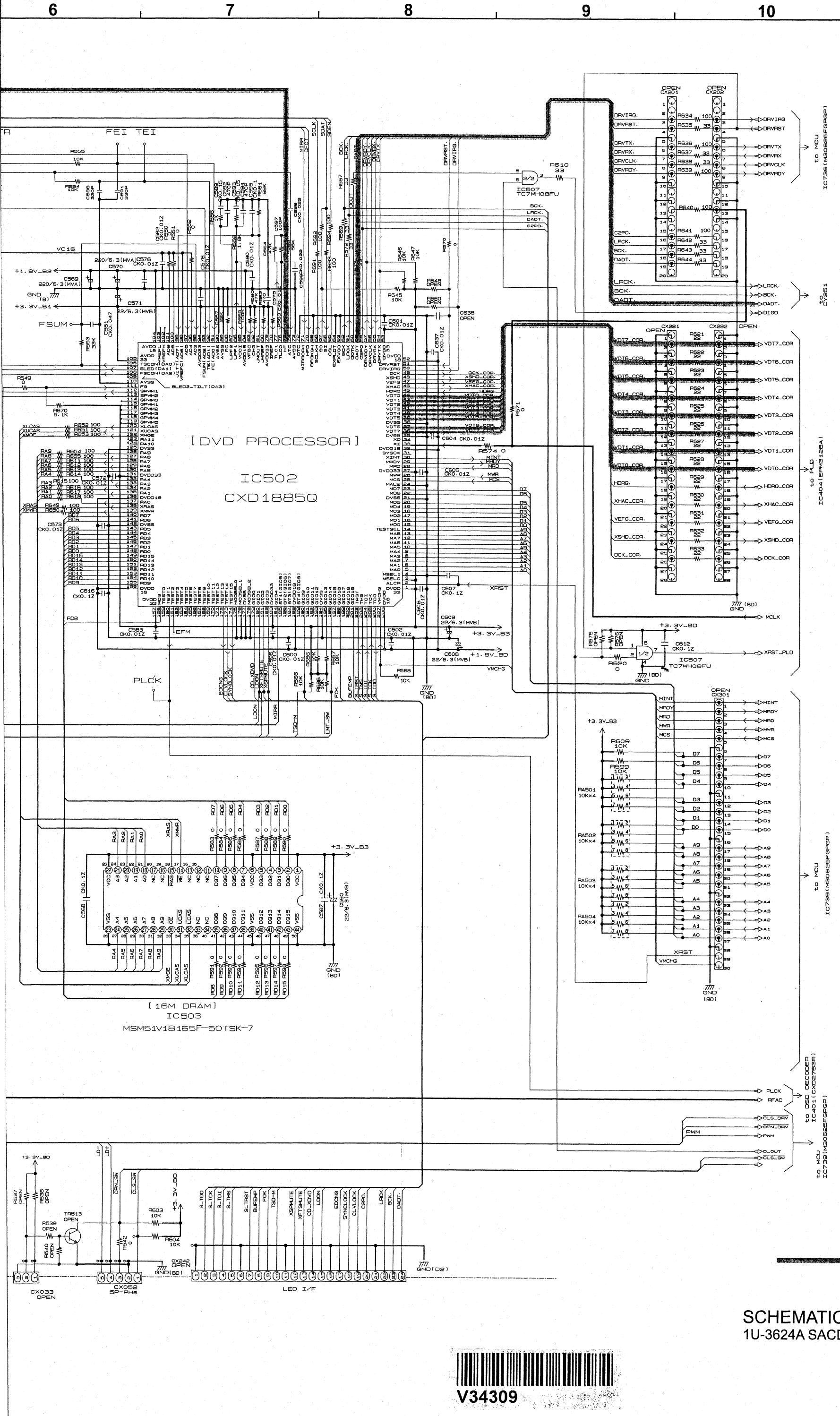
SCHEMATIC DIAGRAMS (1/9)

1 2 3 4 5 6

1U-3624-1
SACD MODULE UNIT (1/3)





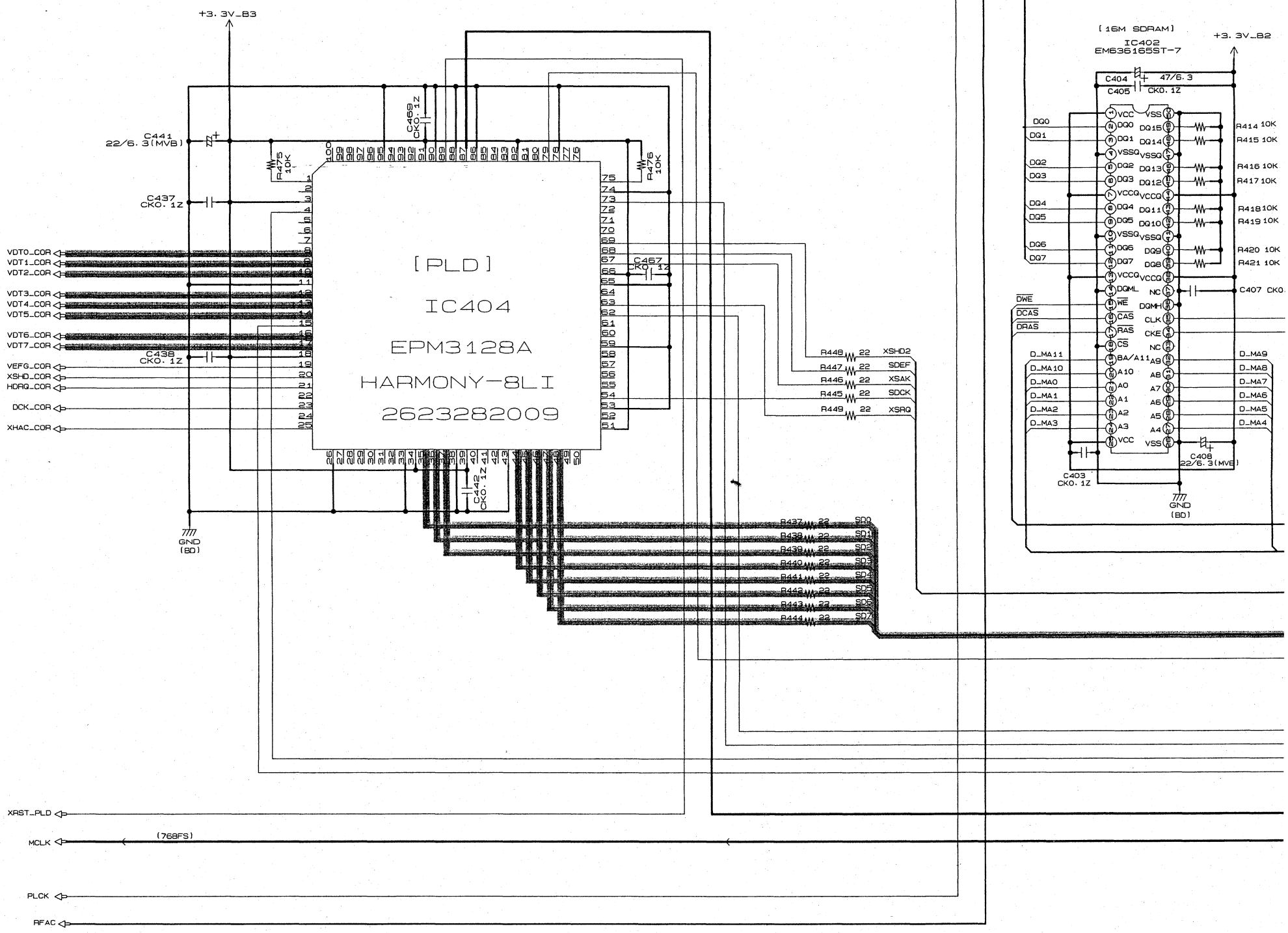
SCHEMATIC DIAGRAMS (1/9)

1U-3624A SACD MODULE UNIT (1/3)

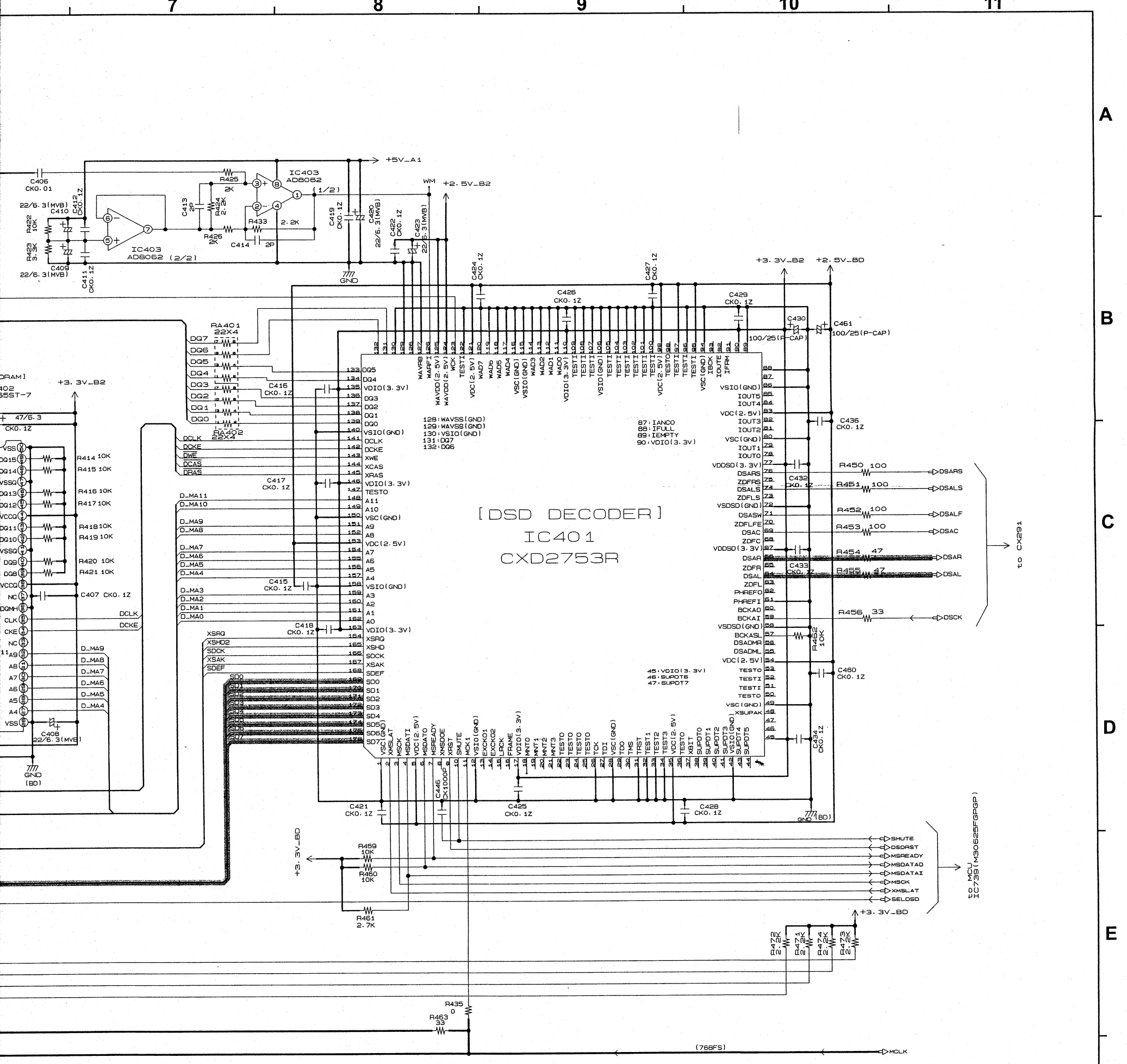
V34309

SCHEMATIC DIAGRAMS (2/9)

1 2 3 4 5 6



1U-3624-1 SACD MODULE UNIT (2/3)



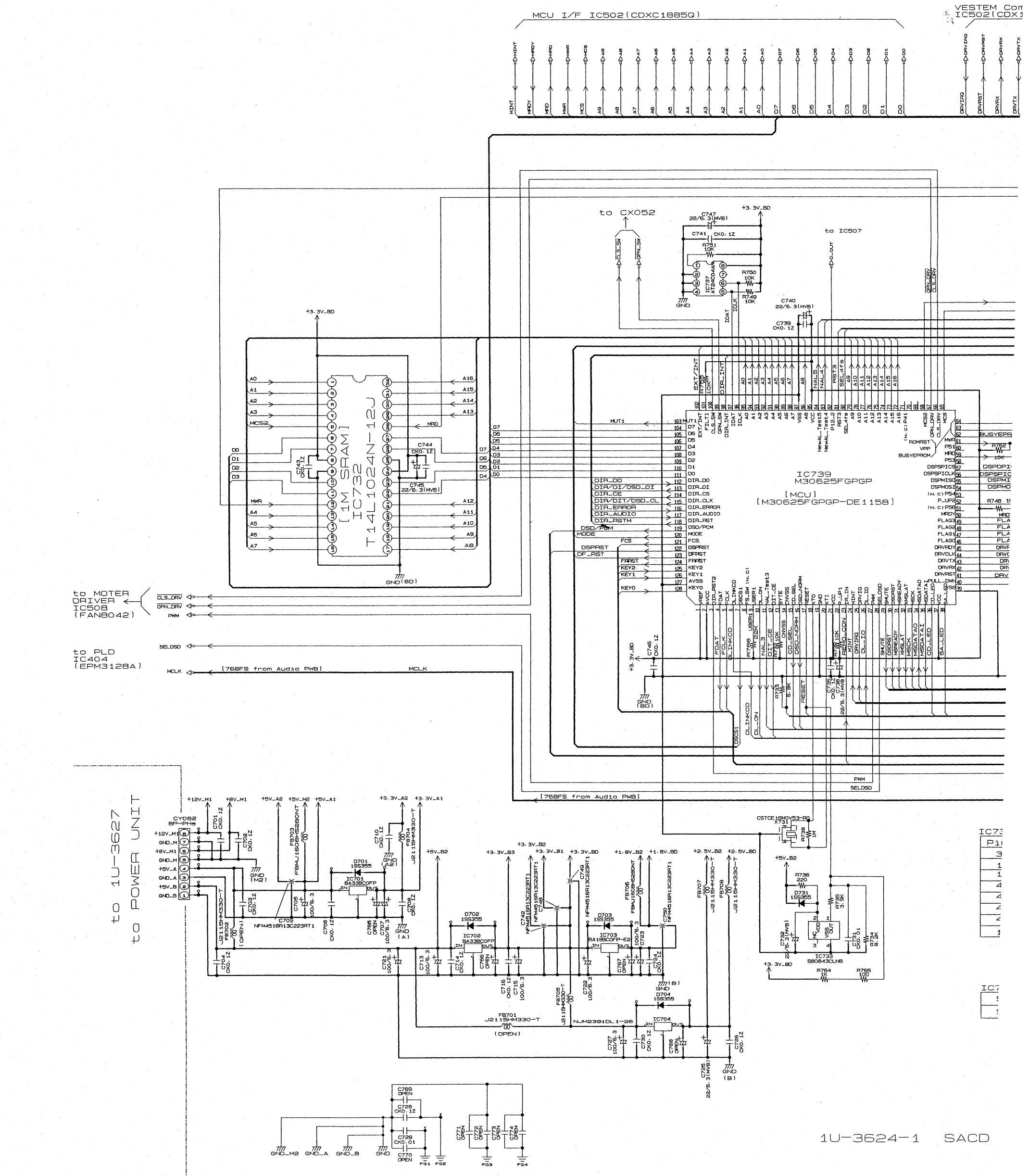
SIGNAL LINE

SCHEMATIC DIAGRAMS (2/9)

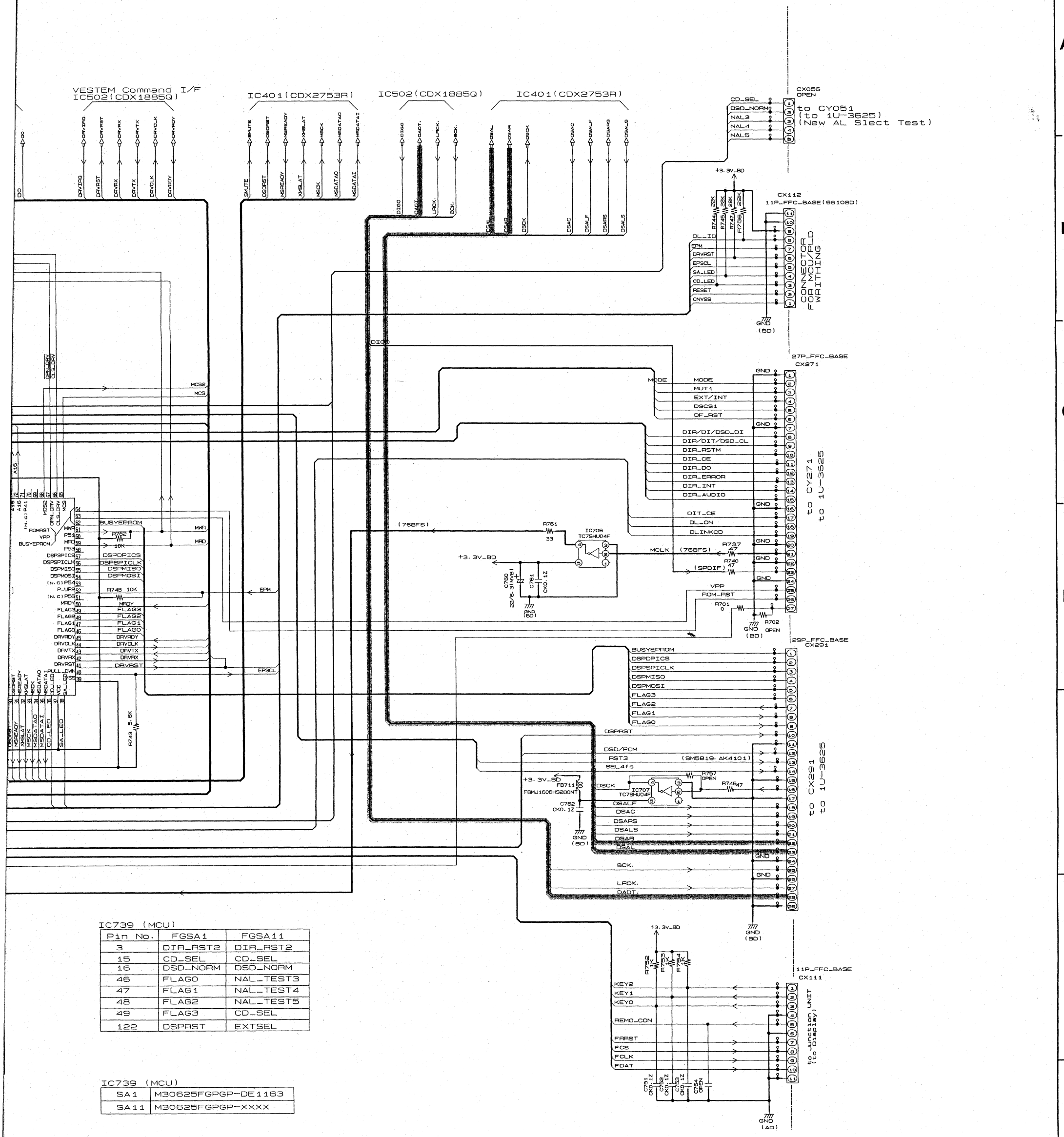
1U-3624A SACD MODULE UNIT (2/3)

SCHEMATIC DIAGRAMS (3/9)

1 2 3 4 5 6



1U-3624-1 SACD



IC739 (MCU)

Pin No.	FGSA1	FGSA11
3	DIR_RST2	DIR_RST2
15	CD_SEL	CD_SEL
16	DSD_NORM	DSD_NORM
46	FLAG0	NAL_TEST3
47	FLAG1	NAL_TEST4
48	FLAG2	NAL_TEST5
49	FLAG3	CD_SEL
122	DSPRST	EXTSEL

IC739 (MCU)

SA1	M30625FGPGP-DE1163
SA11	M30625FGPGP-XXXX

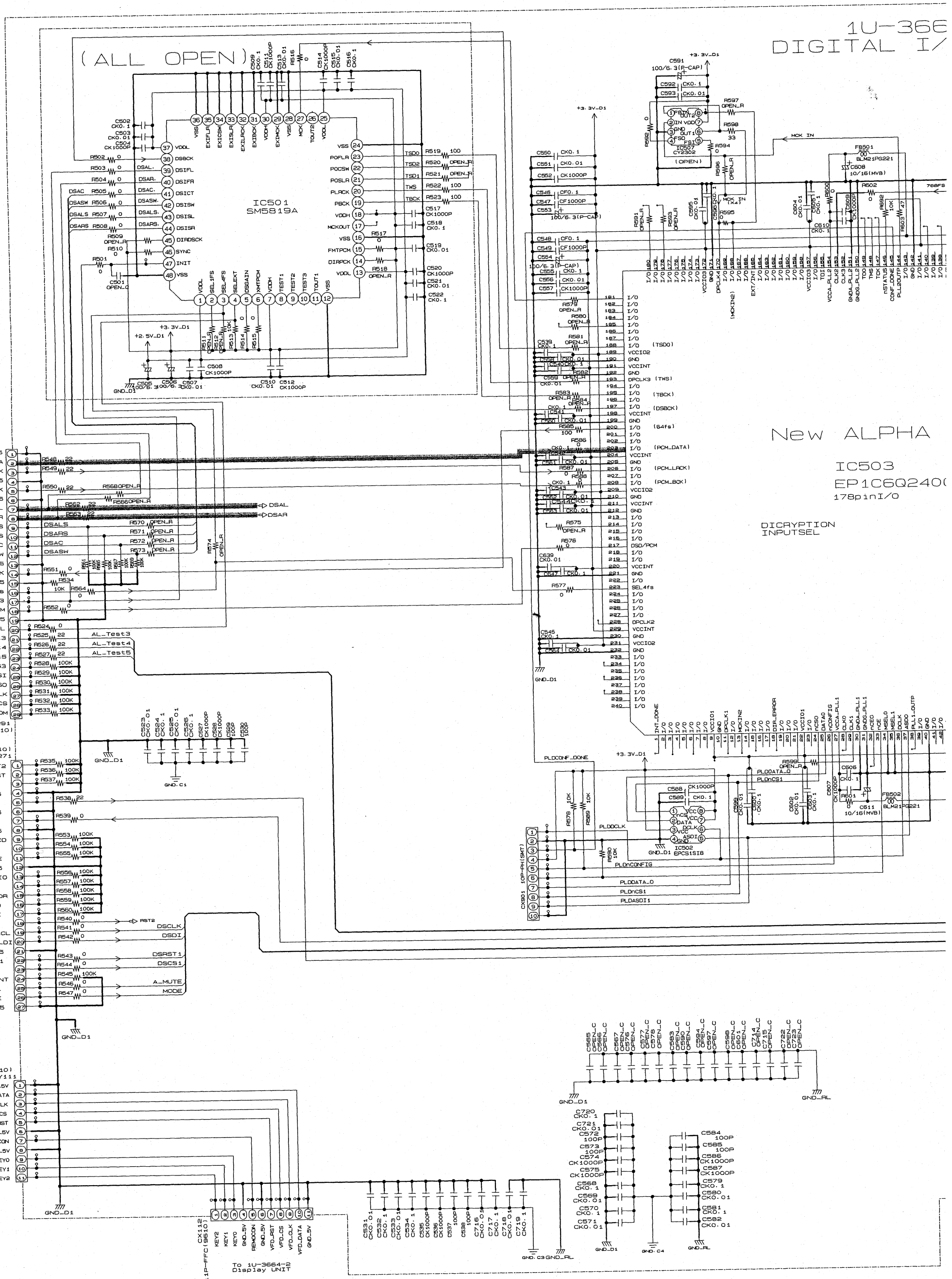
24-1 SACD MODULE UNIT (3/3)

SIGNAL LINE

SCHEMATIC DIAGRAMS (3/9)
1U-3624A SACD MODULE UNIT (3/3)

SCHEMATIC DIAGRAMS (4/9)

1 2 3 4 5 6



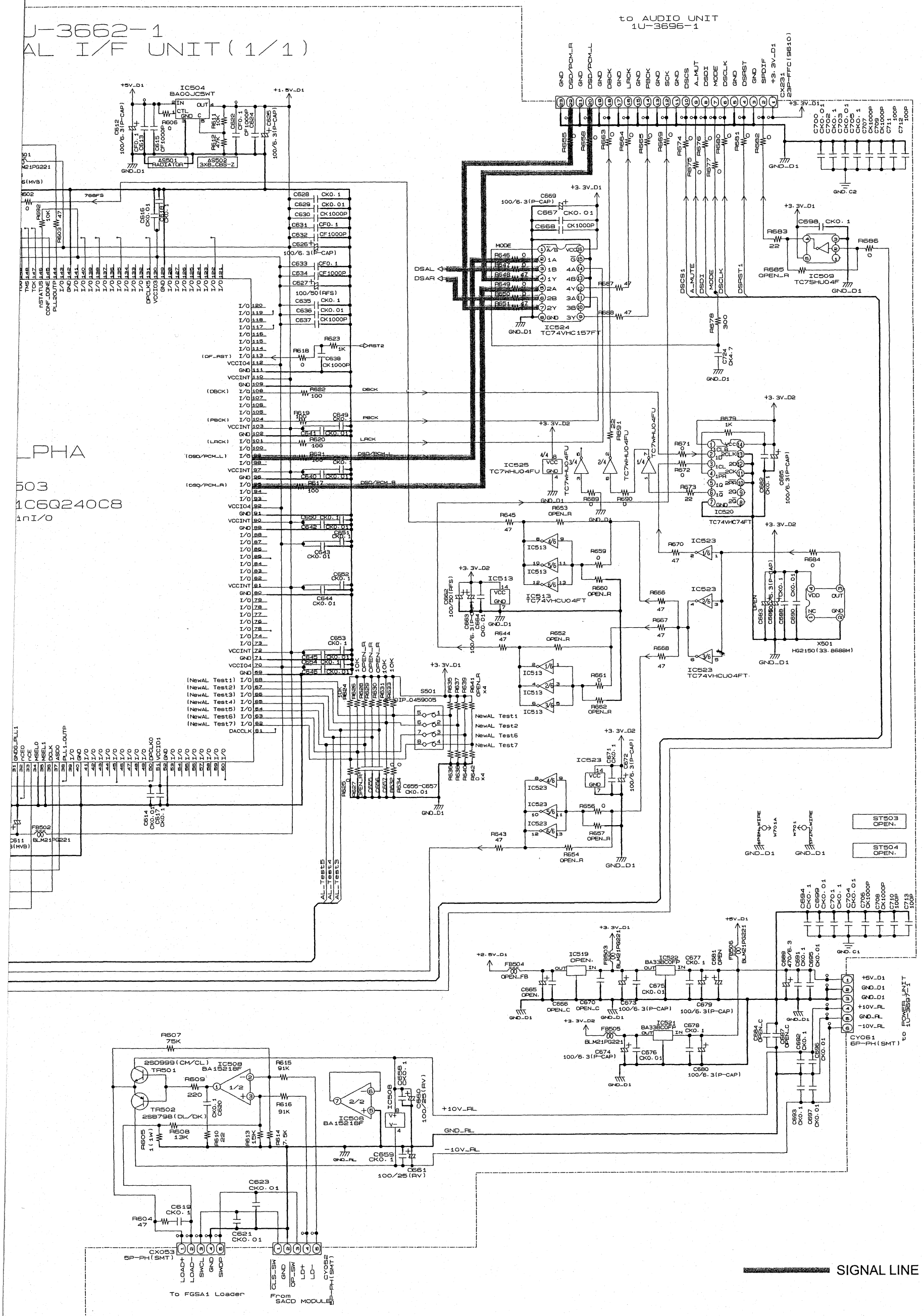
7 8 9 10 11

A B C D E F G H

U-3662-1
AL I/F UNIT(1/1)

_PHA

503
1C6Q240C8
inI/O



SIGNAL LINE

SCHEMATIC DIAGRAMS (4/9)
1U-3662A DIGITAL I/F UNIT

1 2 3 4 5 6

R996 100K(AMRS)
R997 100K(AMRS)
R998 100K(AMRS)

ST102 STYLE-PIN
ST103 STYLE-PIN
ST104 STYLE-PIN

1U-3696-1
AUDIO_UNIT

ST105 STYLE-PIN

GND DSD/PCMR GND DSD/PCML GND DBCK GND LRCK GND PBCK GND SCK GND DSCS A.MUTE DSDI MODE DSCLK GND DSRST GND SPDIF 3.3V_D1

R167 22
R168 22
R169 22
R170 22
R171 22
R172 22
R173 22

CY231 23P-FFC

C209 CK0.01
C210 OPEN_C
C211 OPEN_C
C212 OPEN_C
C213 CQ0.01(NH2)

FG5

C275 OPEN_C
C276 OPEN_C
C281 OPEN_C
C282 OPEN_C
C222 CQ0.01(NH2)

DSD/PCMR R174 0
DSD/PCML R175 0
DBCK R176 0
LRCK R177 0
PBCK R178 0
SCK R179 0

C105 10/50(RFS)
C104 CQ0.01(NH2)
C105 OPEN_C

DSDI R101 100
DSCLK R102 100
DSCS R103 100
R104 47
DSRST

IC101 DSD1790DBR

DSDL DSDR DBCK LRCK PDATA PBCK SCK DGND VDD MS MDI MC MDO RST VCC2L AGND3L IOUTL IOUTL- AGND2L VCC1L VCOML VCOMR IREF AGND1 IOUTR IOUTR- AGND3R VCC2R

C108 220/50(RFS)
C109 OPEN_C
C110 CQ0.01(NH2)
C115 220/50(RFS)
C114 CQ0.01(NH2)
C112 100/50(RFS)
C113 100/50(RFS)
R105 10K(RMG)

C101 C102 C103 C104 C105 C106 C107 CK0.01
C218 OPEN_C
R180 1.5M

IC102 BA033T
C117 100/50(RFS)
C118 CQ0.01(NH2)
C119 OPEN_C
C120
C121 OPEN_C
C122 CQ0.01(NH2)
C123 100/50(RFS)

C280 CK0.1
C279
C278 CK0.1
C277 CK0.01

R106 10K
MODE
TR101 DTC114EK

A.MUTE

C285 OPEN_C
C287 OPEN_C
C288 CQ0.01(NH2)
FG6

C213 OPEN_C
C214 OPEN_C
C215 CQ0.01(NH2)
FG6

+5V_DOUT GND_DOUT -10V_RL GND_RL

CY041 4P-PH

C211 CK0.01
C216 CK0.01
C212 CK0.01
C217 CK0.01

C126 CQ0.01(NH2)
C132 CQ2200P(NH2)
R112 820(AMRS)
C220 OPEN_C
IC104 OP275GSR [1/2]
R114 360(AMRS)
C134 CQ560P(NH2)
R118 750(AMRS)
C135 CQ0.01(NH2)
R124 390(AMRS)
R128 560(AMRS)
C140 CQ2200P(NH2)
IC108 OP275GSR [1/2]

C128 CQ0.01(NH2)
C272 OPEN_C
IC104 OP275GSR [2/2]
R116 360(AMRS)
R120 750(AMRS)
R122 560(AMRS)
R126 390(AMRS)
C136 CQ2200P(NH2)
C142 CQ0.01(NH2)
R110 820(AMRS)
C130 CQ2200P(NH2)

IC109 NJM7805FA(S) IN OUT
C173 100/50(RFS)
C174 CQ0.01(NH2)
C175 CQ0.01(NH2)
C176 100/50(RFS)

C125 CQ0.01(NH2)
C131 CQ2200P(NH2)
R111 820(AMRS)
C219 OPEN_C
IC103 OP275GSR [1/2]
R113 360(AMRS)
C133 CQ560P(NH2)
R117 750(AMRS)
C135 CQ0.01(NH2)
R123 390(AMRS)
R127 560(AMRS)
C139 CQ2200P(NH2)
IC107 OP275GSR [1/2]

C127 CQ0.01(NH2)
C271 OPEN_C
IC103 OP275GSR [2/2]
R115 360(AMRS)
R119 750(AMRS)
R121 560(AMRS)
R125 390(AMRS)
C137 CQ2200P(NH2)
C141 CQ0.01(NH2)
R109 820(AMRS)
C129 CQ2200P(NH2)

R107 820(RMG)
C177 OPEN_C
C178 OPEN_C
C179 CQ0.01(NH2)
R145 100K(AMRS)
C122 CQ2200P(NH2)
C123
R147 2K
R149 2K(AMRS)
FG2

R108 820(RMG)
R146 100K(AMRS)
C124 CQ2200P(NH2)
R148 2K
R150 2K(AMRS)

R157 R158 R159 R160 180 180 180 180
TR105 DTA114EK
TR102 DTC114EK
TR106 DTC114EK

C231 OPEN_C
C232 OPEN_C
C228 OPEN_C
C229 OPEN_C
C230 OPEN_CQ

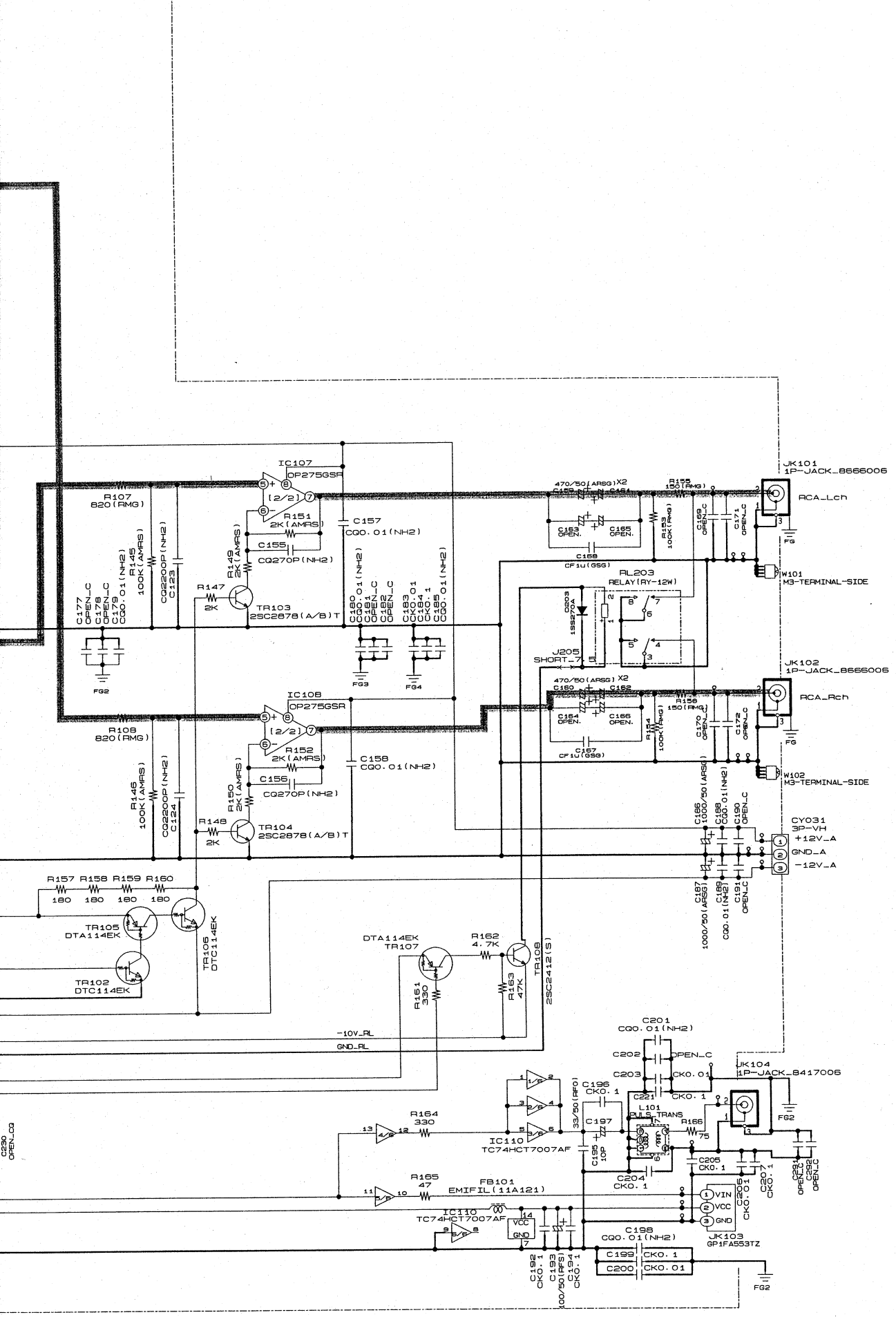
6 7 8 9 10 11

A B C D E F G H

ST102 STYLE-PIN

ST103 STYLE-PIN

ST104 STYLE-PIN



SIGNAL LINE

SCHEMATIC DIAGRAMS (5/9)

1U-3696-1 AUDIO UNIT
(DCD-1650AE model only)

SCHEMATIC DIAGRAMS (6/9)

1 2 3 4 5 6

A996 100K(AMRS)
A998 100K(AMRS)
A997 100K(AMRS)

ST102 STYLE-PIN
ST103 STYLE-PIN
ST104 STYLE-PIN

1U-3696-1
AUDIO_UNIT

ST105 STYLE-PIN

GND DSD/PCMA GND DSD/PCML GND DBCK GND LRCK GND PBCK GND SCK GND DSCS A.MUTE DSDI MODE DSCLK GND DSRST GND SPDIF 3.3V_D1

CY231 23P-FFC

R167 22 R168 22 R169 22 R170 22 R171 22 R172 22 R173 22

C275 CK0.1 C276 CK0.01

DSD/PCMA R174 0 DSD/PCMB R175 0 DBCK R176 0 LRCK R177 0 PBCK R178 0 SCK R179 0 DSDI R101 100 DSCLK R102 100 DSCS R103 100 DSRST R104 47

IC101 DSD1790DBR
DSDL DSDR DBCK LRCK PDATA PBCK SCK DGND VDD MS MDI MC MDO RST VCC2R VCC2L AGND3L AGND3R VCC1 VCOML VCOMR IREF AGND IOUTL- IOUTL+ IOUTR- IOUTR+

C106 10/50(RFS) C104 CQ0.01(NH2) C105 CK0.1
C108 220/50(RFS) C110 CQ0.01(NH2) C115 OPEN_C C116 220/50(RFS) C109 OPEN_C C111 CQ0.01(NH2)
C114 CQ0.01(NH2) C112 100/50(RFS) C113 100/50(RFS) R105 10K(RMG)
C100 C101 C102 C103 C104 C105 C106 C107 CK0.01 R180 1.5M C218 CK0.01

IC109 NJM7805FA(S) IN OUT
C173 100/50(RFS) C174 CQ0.01(NH2) C175 CQ0.01(NH2) C176 100/50(RFS)

IC102 BA033T IN OUT
C222 OPEN_CQ C281 CK0.01 C282 CK0.1
C117 100/50(RFS) C118 CQ0.01(NH2) C119 OPEN_C C120 C121 OPEN_C C122 100/50(RFS)

C209 CK0.01 C208 CK0.01 C207 CK0.1 C210 OPEN_C

FG5

R106 10K MODE TR101 DTC114EK

A.MUTE

C280 OPEN_C C279 OPEN_C FG3
C278 C277 OPEN_C FG8

C286 CK0.01 C287 CK0.1 C288 OPEN_CQ FG8
C213 CK0.01 C214 CK0.1 C215 OPEN_C FG6

C211 CK0.1 C210 CK0.01 C212 CK0.1 C209 CK0.01

+5V_DOUT GND_DOUT -10V_RL GND_RL
CY041 4P-PH

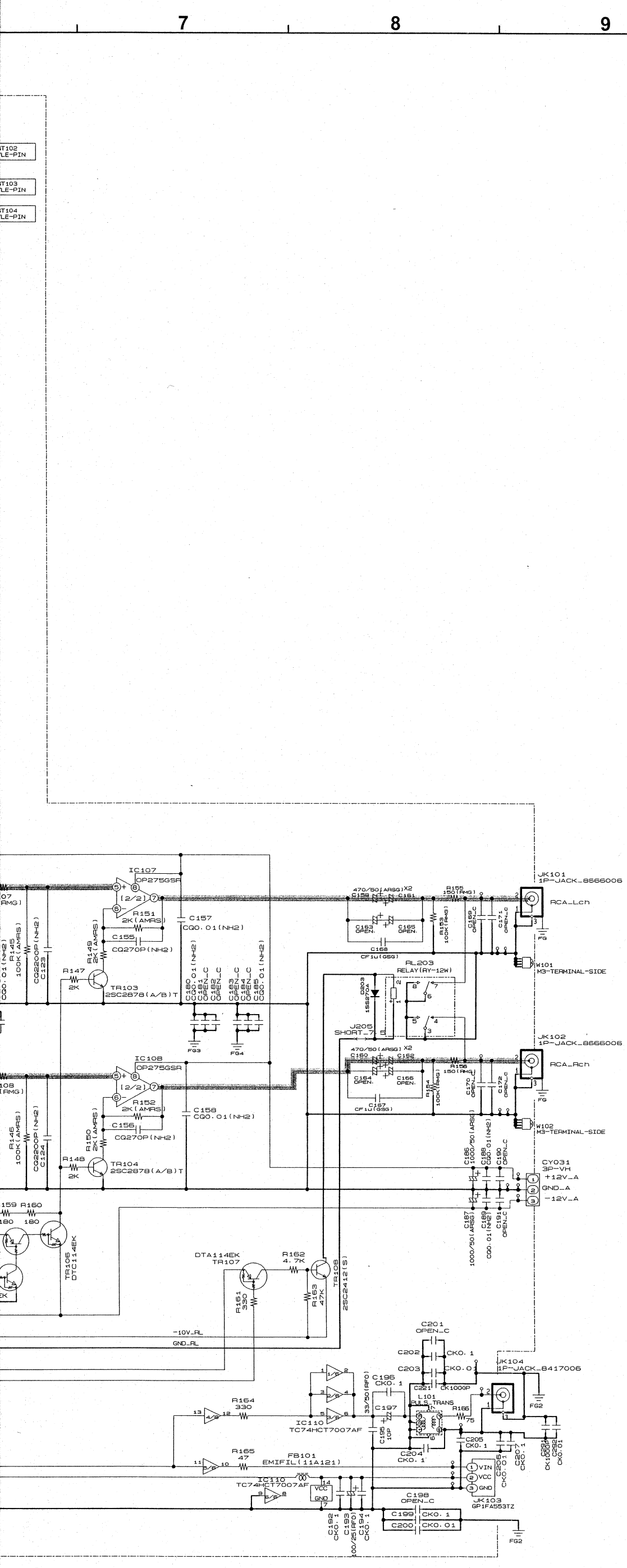
C126 CQ0.01(NH2) C220 OPEN_C C132 CQ2200P(NH2) R112 820(AMRS) R114 360(AMRS) C134 CQ5600P(NH2) R118 750(AMRS) C136 CQ0.01(NH2) R124 390(AMRS) R128 560(AMRS) C140 CQ2200P(NH2)
C128 CQ0.01(NH2) C272 OPEN_C R110 820(AMRS) C130 CQ2200P(NH2) R116 360(AMRS) R120 750(AMRS) R122 560(AMRS) R126 390(AMRS) C138 CQ2200P(NH2) C142 CQ0.01(NH2)
IC104 OP275GSR [1/2] [2/2]
IC108 OP275GSR [1/2]

C125 CQ0.01(NH2) C215 OPEN_C C131 CQ2200P(NH2) R111 820(AMRS) R113 360(AMRS) C133 CQ5600P(NH2) R117 750(AMRS) C135 CQ0.01(NH2) R123 390(AMRS) R127 560(AMRS) C139 CQ2200P(NH2)
C127 CQ0.01(NH2) C271 OPEN_C R109 820(AMRS) C129 CQ2200P(NH2) R115 360(AMRS) R119 750(AMRS) R121 560(AMRS) R125 390(AMRS) C137 CQ2200P(NH2) C141 CQ0.01(NH2)
IC103 OP275GSR [1/2] [2/2]
IC107 OP275GSR [1/2]

R107 820(RMG) R108 820(RMG)
C177 OPEN_C C178 OPEN_C C179 CQ0.01(NH2) R145 100K(AMRS) C122 CQ2200P(NH2) C123 C124 CQ2200P(NH2) R146 100K(AMRS) R147 2K R148 2K R149 2K(AMRS) R150 2K(AMRS)
FG2

R157 R158 R159 R160 180 180 180 180
TR105 DTA114EK TR106 DTC114EK TR102 DTC114EK

C231 CK0.01 C232 CK0.1 C228 OPEN_C C229 OPEN_C C230 OPEN_CQ



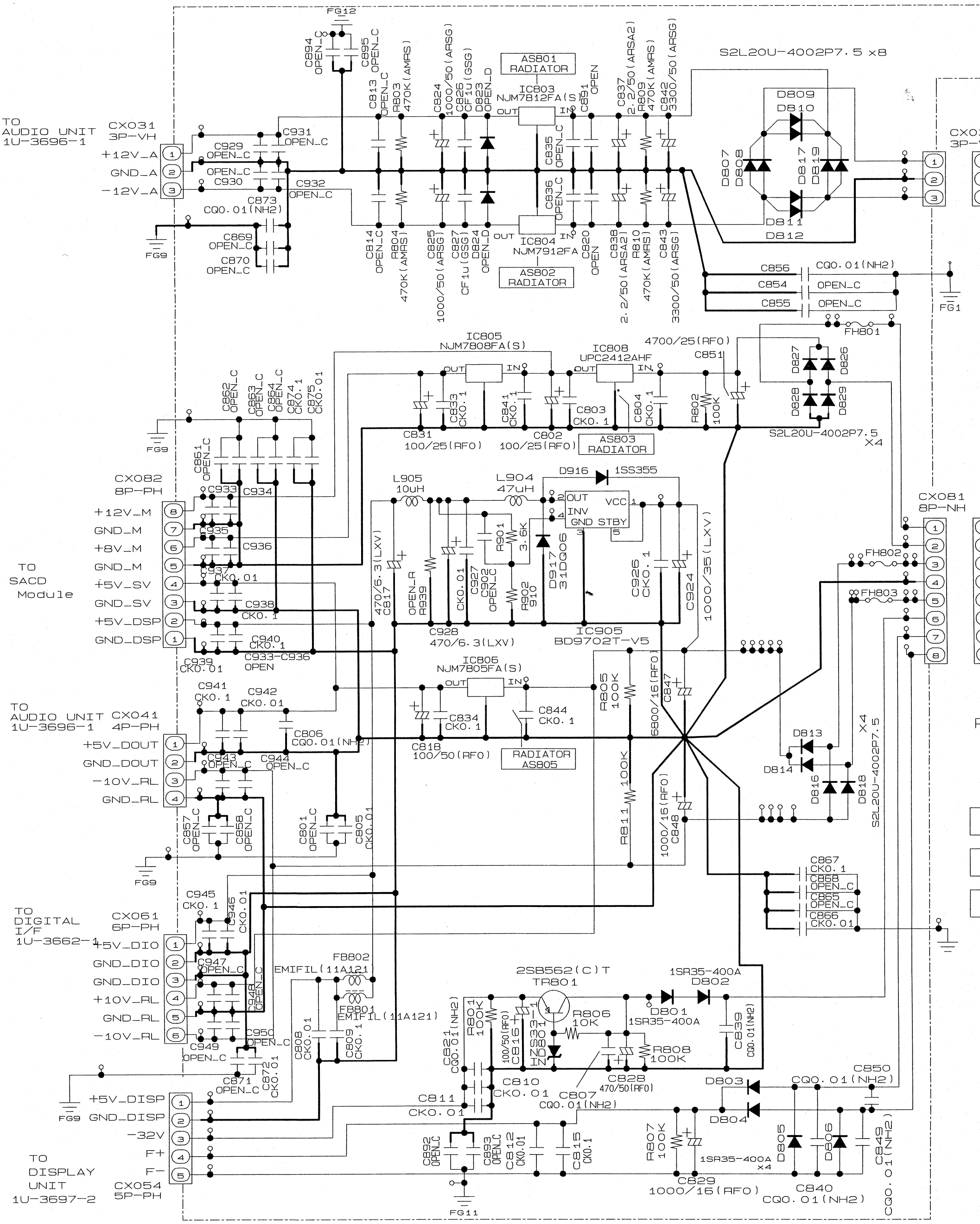
SIGNAL LINE

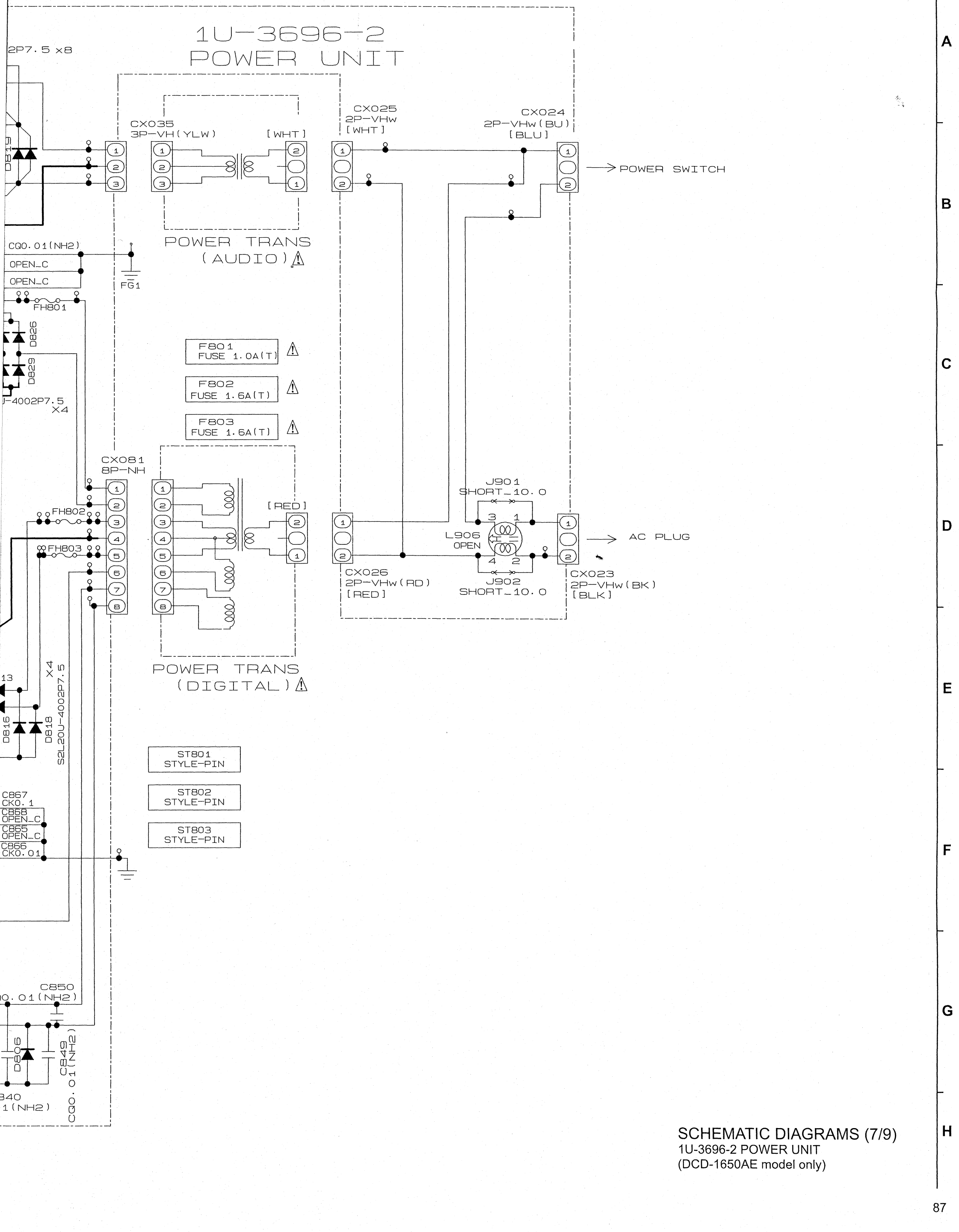
SCHEMATIC DIAGRAMS (6/9)

1U-3696-1 AUDIO UNIT
(DCD-2000AE model only)

SCHEMATIC DIAGRAMS (7/9)

1 2 3 4 5 6



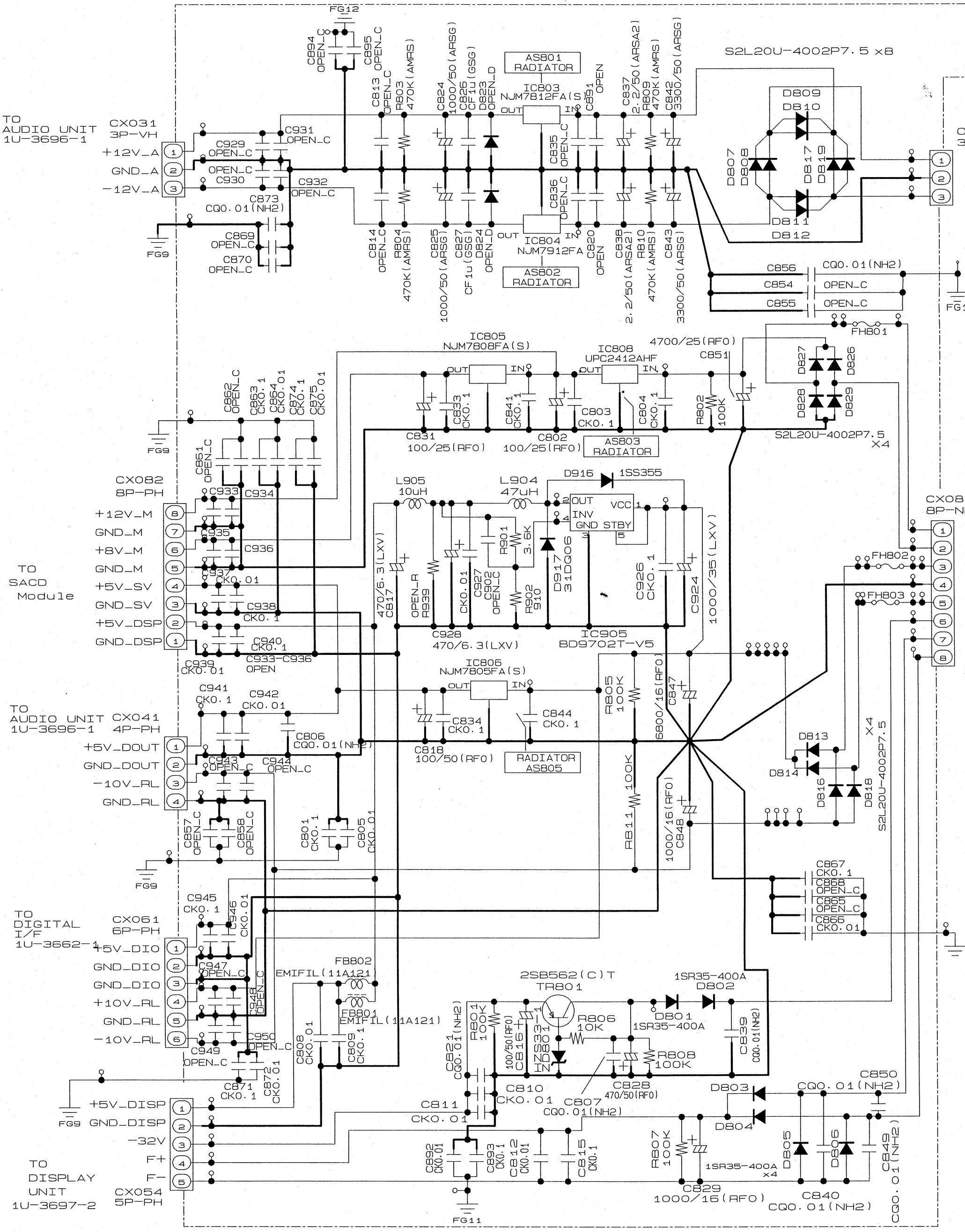


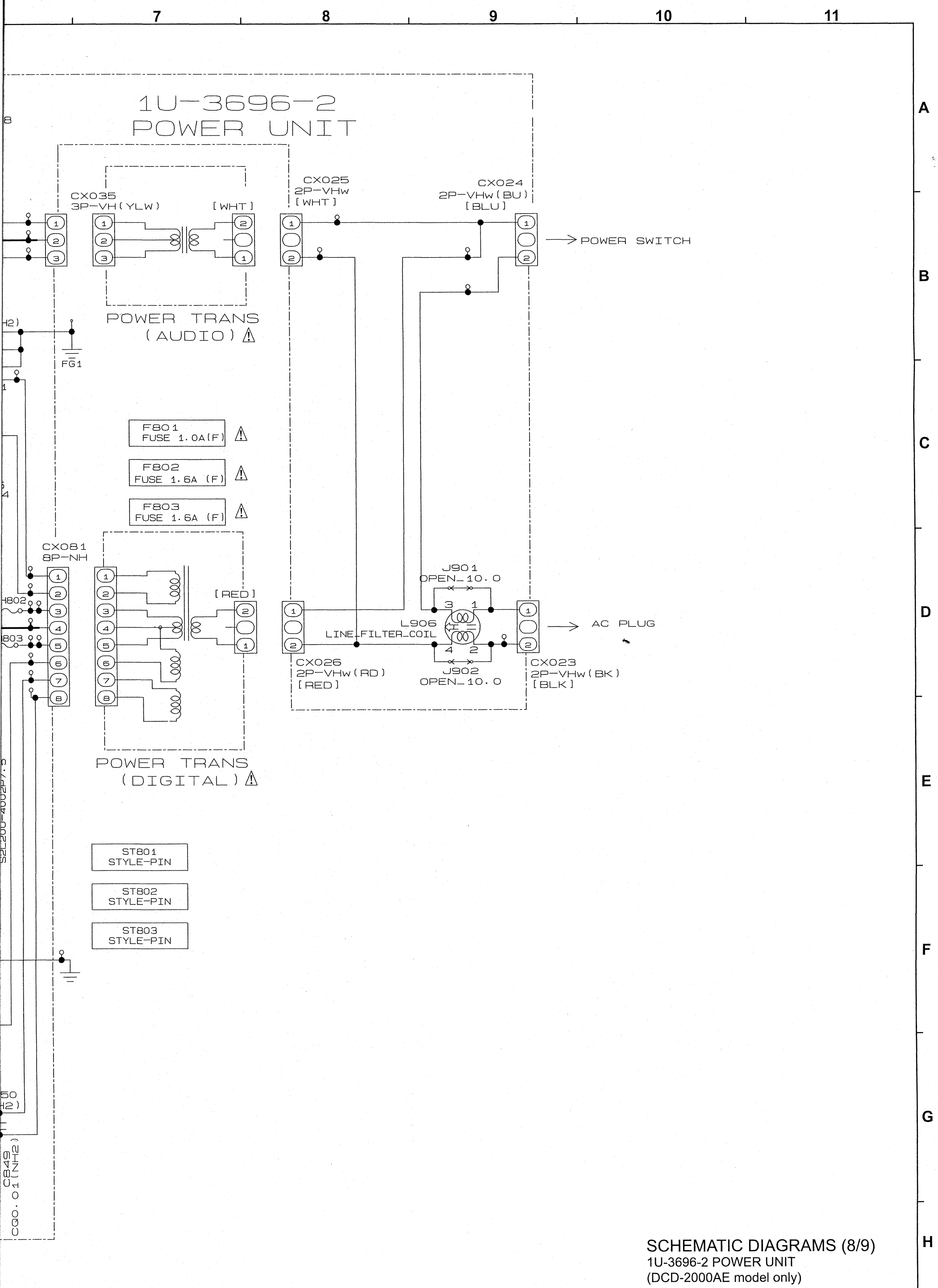
SCHEMATIC DIAGRAMS (7/9)

1U-3696-2 POWER UNIT
(DCD-1650AE model only)

SCHEMATIC DIAGRAMS (8/9)

1 2 3 4 5 6

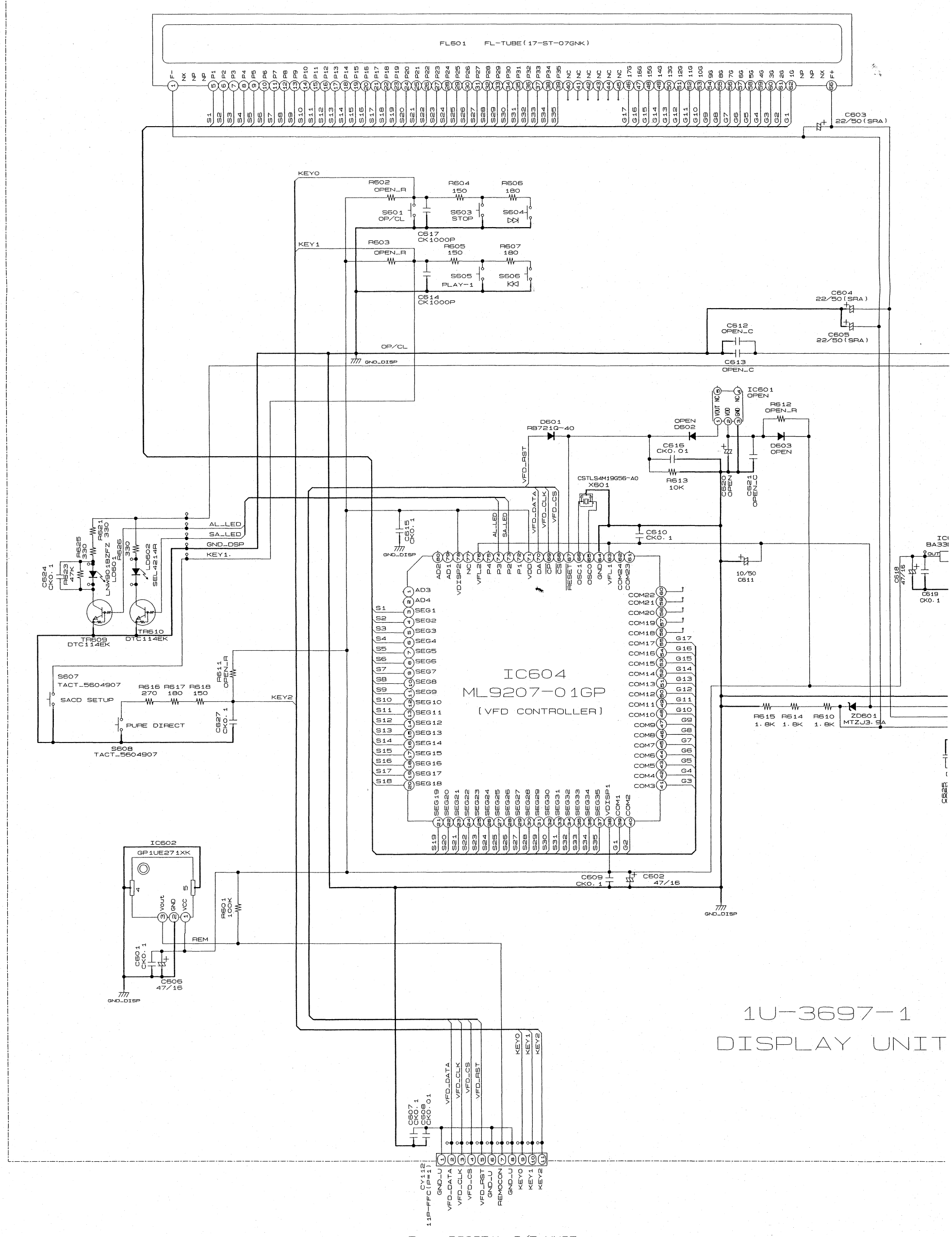


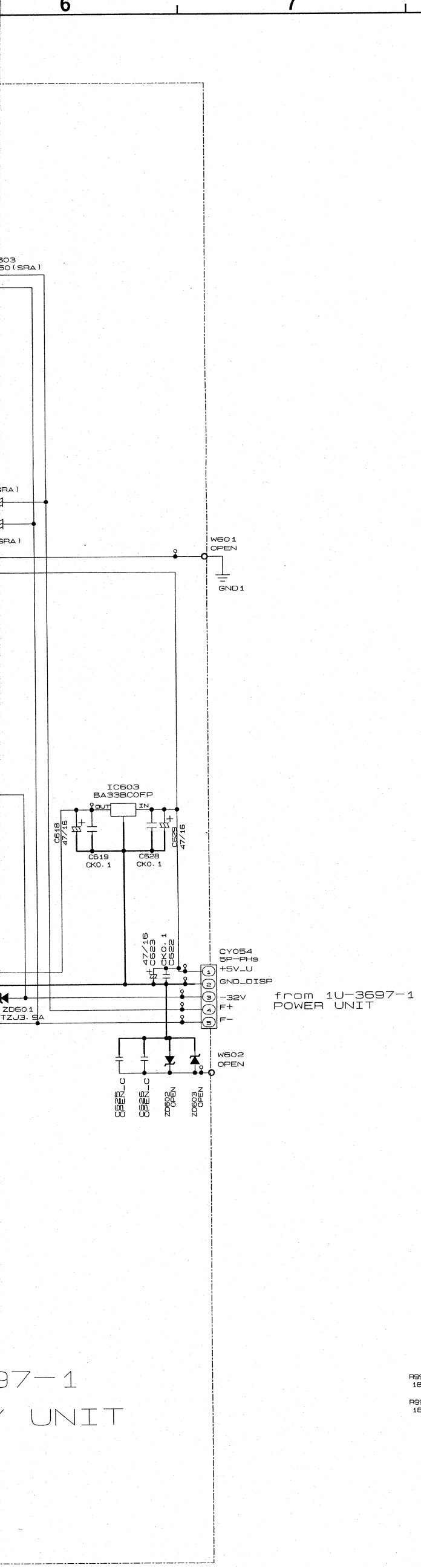


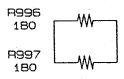
SCHEMATIC DIAGRAMS (8/9)
1U-3696-2 POWER UNIT
(DCD-2000AE model only)

SCHEMATIC DIAGRAMS (9/9)

1 2 3 4 5 6







97-1
UNIT

SCHEMATIC DIAGRAMS (9/9)
1U-3697 DISPLAY UNIT